

PORTFOLIO REVIEW 2018



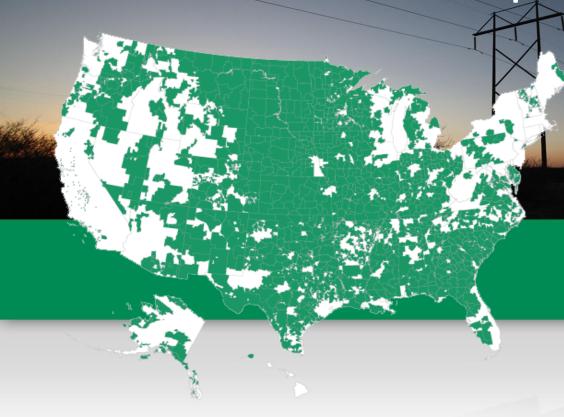
2018 SETO Portfolio Review

America's Electric Cooperative Network

Debra Roepke

National Rural Electric Cooperative Association

America's Electric Cooperative Network



Over 900 Co-ops

Serves 42 Million Americans in 47 States

Covers 75% of Nation's Land Mass

Owns 42% of all Distribution Lines

Totals 2.4 Million Line Miles

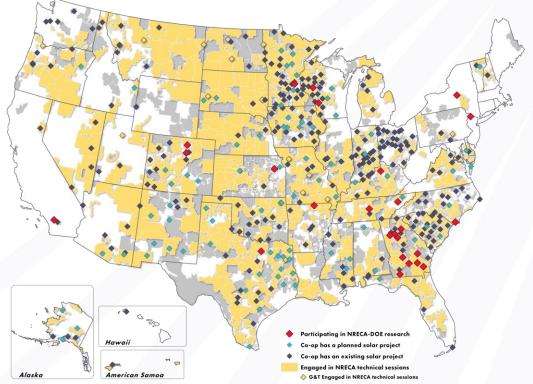
Powered by 55,000 MW

Delivers 178 Billion kWh of Generation Annually



Co-op Solar, SUNDA Impact

Solar Utility Network Deployment Acceleration

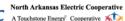




SUNDA Team

State	Classification	Participating Co-ops
Arkansas	Distribution	North Arkansas Electric Co-op
California	Distribution	Anza Electric Co-op
Colorado	Distribution/G&T	Poudre Valley REA/Tri-State G&T
Georgia	Renewable arm G&T	Green Power EMC/ Oglethorpe Power Corporation
Kansas	G&T	Kansas Electric Power Co-op
Kentucky	Distribution G&T	Owen Electric Co-op/ East Kentucky Power Co-op
Minnesota	G&T Distribution	Great River Energy/ Wright Hennepin CEA
New Jersey	Distribution	Sussex Rural Electric Co-op
New York	Distribution	Oneida-Madison EC
North Carolina	Distribution Distribution	Brunswick EMC Sandhills Utility Services
Tennessee	Distribution Distribution	Appalachian Electric Co-op Middle Tennessee EMC
Texas	Distribution	CoServ Electric
Vermont	Distribution	Vermont Electric Co-op
Wisconsin	Distribution	Eau Claire Energy Co-op





























OWEN Electric











INSURANCE EXCHANGE

















Partners

SunShot

CFC

Federated

PowerSecure

NRECA Team

Craig Miller

Doug Danley

Paul Carroll

Deb Roepke

Tracy Warren

TJ Kirk

Kaley Lockwood

Mike Casper

Andrew Cotter





Community Solar Deployments











Co-op Solar at Military Installations











G&T Led Deployments: GRE









G&T Led Deployments: Green Power EMC

GREEN

Participating Co-ops	MW	
Altamaha EMC	.038	
Grady EMC	2	
Greystone Power I	1	
Greystone Power II	3	
Irwin EMC	1	
Jackson EMC	2	
Middle Georgia EMC	1	
Okefenokee EMC	2	
Satilla EMC	1	
Snapping Shoals EMC	2.7	
Tri-County EMC	1	

Initial plan: 1MW

Actual deployment: >16MW

Average Cost/Wdc: \$1.35





SUNDA Deployments

Goal: 20MW

Planned: 23MW

Actual: >30MW +

>60MW at

SUNDA

"Associates"

Phase I (Y1 & Y2: 10/13 - 9/15)	State	MW
CoServ Electric I	TX	2
Great River Energy - 1	MN	0.25
Sussex REC	NJ	0.624

2.874

Phase II (Y3: 10/15 - 9/16)				
Anza Electric Co-op	CA	2		
Brunswick EMC	NC	1.2		
Eau Claire Energy Cooperative	WI	0.75		
Great River Energy - 2 (Wright Hennepin)	MN	2.25		
Green Power EMC - 1 (4 projects)	GA	6.7		

12.9

Phase III (Y4: 10/16 - 9/17)				
Appalachian REC	TN	1.373		
Green Power EMC - 2 (7 projects)	GA	10.038		
Kansas Electric Power Co-op	KS	1		
Middle Tennesee EMC	TN	0.8		
Poudre Valley/TriState G&T	СО	1.5		

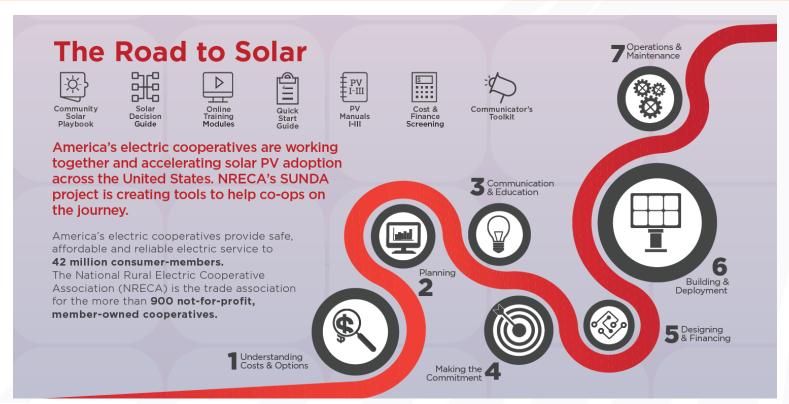
14.711

30.485





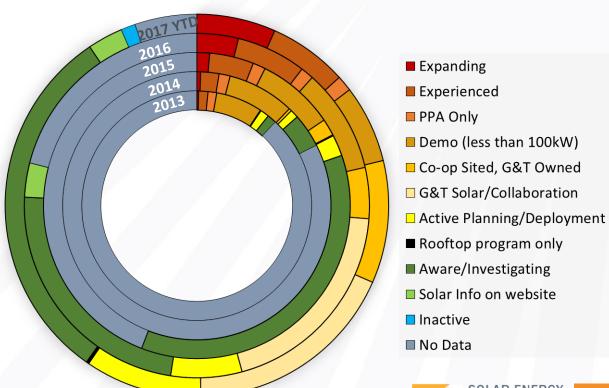
SUNDA Products





SUNDA Accomplishments

- Reached 852 co-ops
 - 17 participating coops
 - 237 members of SUNDA mailing list
 - 433 participated in SUNDA webinars
 - 113 additional coops represented in a class with SUNDA content





SUNDA Success Factors

- Member-focused team structure
 - Designed to grow and be flexible
- Uniqueness of co-op model and culture (co-ops cooperate)
- Iterative learning process
- Carefully guided transformation through real time sharing of information and learning
 - Decision making to include resourcing and financing
 - Process and Project Management
 - Technology Implementation
 - Member Engagement

